CODE: 418-002-03

PRODUCT NAME

Ammonium Bifluoride

04/21/83

THE HARSHAW CHEMICAL COMPANY

H-33-82R-WP

IDENTIFICATION :

JL 8 (Similar to OSHA Form 20)

1909 TERIAL SAFETY DATA SHEET

The Harshaw Chemical Company SUPPLIER'S NAME

SNF

1945 East 97th Street

Cleveland, Ohio 44106

EMERGENCY TELEPHONE 216/721-8300

DATE:

CHEMICAL NAME Ammonium Bifluoride

CAS No. 1341-49-7

U.N. No. UN1727

FORMULA NH FHF

D.O.T. CLASSIFICATION Corrosive Material

SECTION II -- HAZARDOUS INGREDIENTS OF MIXTURES

Material or Component

%

Threshold Limit Value

Not applicable

= SECTION III -- PHYSICAL DATA =

BOILING POINT 239.5°C

126.2°C MELTING POINT

SPECIFIC GRAVITY (H₂0=1) 1.503

VAPOR PRESSURE Not applicable

VAPOR DENSITY (Air=1) Not applicable

SOLUBILITY IN H_2O (% by Wt.) 58.3g/100g

water

% VOLATILES BY VOLUME Not applicable EVAPORATION RATE (Butyl Acetate=1)

Not applicable

= SECTION IV -- FIRE AND EXPLOSION DATA =

Not a fire or explosion hazard, but may release toxic emissions if involved in a fire. Wear self-contained breathing apparatus.

White, translucent flake; odorless

SECTION V -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

APPEARANCE AND ODOR

 $2.5 \text{ mg/m}^3 \text{ as F (ACGIH, 1982)}$

EFFECTS OF OVEREXPOSURE

Eye contact causes burns.

Skin contact causes severe irritation and fluoride-like burns which may not be immediately evident.

Inhalation causes severe irritation to upper respiratory tract.

Ingestion is harmful.

EMERGENCY AND FIRST AID PROCEDURES	
Eyes: Immediately flush with plenty of water for at least 30 minutes; do not use Zeph	iran
THE TARGETORS ON EVES. (ALL A DRIVELEISE	•
Skin: Immediately flush with cold water for at least 15 minutes. Use alkaline soap if	
available. If irritation occurs, immerse and soak affected area in 0.13%(1:750) iced, aqueous Zephiran Chloride solution for 30-60 minutes (saturated compresses can be used if area can't be immersed) and soll and solution for 30-60 minutes (saturated compresses can be used	
The case of the control and th	
Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Call	
a physician.	
Antidote: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Call	l a
physician immediately. Never give anything by mouth to an unconscious person.	-
SECTION VI REACTIVITY DATA	
CONTRACTOR	
CONDITIONS CONTRIBUTING TO INSTABILITY Decomposition above 350°C (boils at 239.5°C)	
INCOMPATIBILITY Strong acids, strong alkali	
HAZARDOUS DECOMPOSITION PRODUCTS Heat above 350°C will result in decomposition release	
in and Mig. II contacted with Strong acids. He will be released. If contacted	, rng
with strong alkali, NH3 will be released.	
CECTION WITH CONTRACT	
SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
If not contaminated, scoop up for reuse. If contaminated, scoop or vacuum into contain for disposal. Avoid dusting.	er
Tor disposar. Avoid dusting.	
WASTE DISPOSAL METHOD Dispose of in accordance with Federal, state and local laws.	
SECTION VIII PROTECTIVE EQUIPMENT	•
<u>VENTILATION</u> General; local exhaust ventilation as necessary to control dust.	
PERSONAL PROTECTIVE EQUIPMENT Chemical goggles.	
Rubber or neoprene gloves	
Body protection as necessary to prevent skin conta	ct.
A NIOSH/MSHA approved respirator as necessary	
SECTION IX SPECIAL PRECAUTIONS	
Avoid breathing dust.	
Do not get in eyes, on skin, or on clothing.	
Wash thoroughly after handling.	
Keep container closed.	
Keep away from food and feed products.	
SECTION X PERSONNEL SAMPLING PROCEDURE	
	•
Refer to NIOSH Manual of Analytical Methods, Vol. 1, 2nd Edition, 1977, P&CAM #117	
for information on monitoring for airborne materials containing fluoride.	

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